Wed, Sept. 8, 2021
Noon (Pacific)
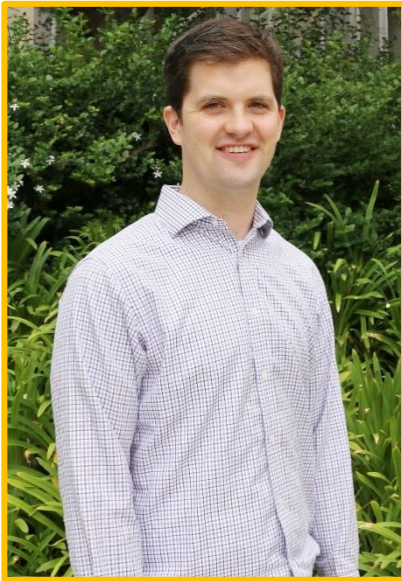**In-Person at RGL 101 & via Zoom**

Register at
https://tinyurl.com/w28894a3
*Food will be served at 11:45, event begins at 12:10

Improving Shared-ride Mobility Services through Bi-criterion Path-finding

This webinar will detail the underlying operational problem, modeling approach, computational results, implications for mobility service providers and transportation planners/policymakers, and future research directions. The computational results compare the proposed path-finding approach with the conventional shortest path approach in terms of user wait times and in-vehicle travel times along with fleet VMT and fleet utilization.

> In our study, we explicitly incorporate path-finding into the operational problem and consider both travel time and proximity to future demands on paths. This non-myopic approach implicitly incorporates future information about the system into the control function.

Michael Hyland is an Assistant Professor of Civil and Environmental Engineering (CEE) at the University of California-Irvine (UCI), where he is affiliated with the Institute of Transportation Studies (ITS). His research interests include emerging transportation systems such as bikesharing, ridesharing, and shared-use automated vehicle mobility services, and the integration of these emerging services with existing transportation modes.